WHAT IS CLAIMED IS:

1. A fluid dynamic bearing device comprising: a housing having at one end an opening and at the other end a bottom portion; a sealing portion sealing the opening of the housing; a bearing sleeve and a shaft member that are accommodated in the housing; a radial bearing portion having a radial bearing clearance between an outer peripheral surface of the shaft member and an inner peripheral surface of the bearing sleeve and adapted to support the shaft member radially in a non-contact fashion by means of a lubricant film generated when the shaft member and the bearing sleeve rotate relative to each other; and a thrust bearing portion supporting the shaft member in a thrust direction,

wherein the sealing portion is provided with a protrusion extending radially inwards, and wherein the shaft member is provided with a small diameter portion, the protrusion and the small diameter portion being axially engaged with each other to thereby prevent the shaft member from coming off.

2. A fluid dynamic bearing device according to Claim 1, wherein the protrusion is formed circumferentially in parts in the inner periphery of the sealing portion.

3. A fluid dynamic bearing device according to Claim 1, wherein the sealing portion is formed of resin.

4. A fluid dynamic bearing device according to Claim 1, wherein there is formed in the inner periphery of the sealing portion a diverging surface enlarging the distance between the inner periphery of the sealing portion and the outer peripheral surface of the shaft member toward the exterior of the housing.

5. A fluid dynamic bearing device according to Claim 1, wherein the sealing portion and the housing are provided as separate components, and wherein the sealing portion is prevented from coming off through squeezing of the housing.

6. A fluid dynamic bearing device according to Claim 1, wherein the sealing portion and the housing are formed as an integral unit.

7. A motor comprising: a rotor magnet fixed to a shaft member, a stator coil fixed to a housing, and a fluid dynamic bearing device as claimed in one of Claims 1 through 6.